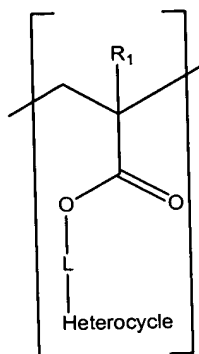


## Amendments to the Claims

1. (Original) A fuel composition comprising  
(i) a fuel; and

(ii) a polymeric compound;

wherein the polymeric compound comprises at least one monomer unit of Formula I



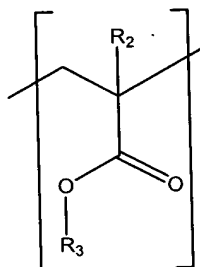
Formula I

wherein  $R_1$  is H or a  $C_{1-10}$  hydrocarbyl group;

wherein  $L$  is an optional  $C_{1-30}$  hydrocarbyl linker group; and

wherein heterocycle is an optionally substituted heterocyclic ring.

2. (Original) A fuel composition according to claim 1 wherein the polymeric compound further comprises at least one monomer unit of Formula II

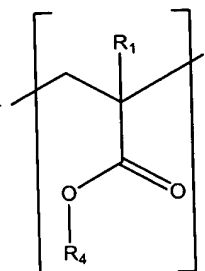


Formula II

wherein  $R_2$  is H or a  $C_{1-10}$  hydrocarbyl group; and

wherein  $R_3$  is a  $C_{1-30}$  hydrocarbyl group.

3. (Currently Amended) A fuel composition according to claim 1 ~~or claim 2~~ wherein the polymeric compound further comprises at least one monomer unit of Formula III



Formula III

wherein R<sub>1</sub> is H or a C<sub>1-10</sub> hydrocarbyl group; and  
wherein R<sub>4</sub> is a C<sub>2-10</sub> unsaturated hydrocarbyl group.

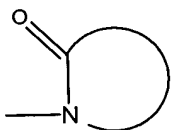
4. (Currently Amended) A fuel composition according to ~~any one of the preceding~~ claims claim 1 wherein the heterocyclic ring comprises at least one nitrogen.

5. (Currently Amended) A fuel composition according to ~~any one of the preceding~~ claims claim 1 wherein the heterocyclic ring comprises at least one tertiary nitrogen.

6. (Currently Amended) A fuel composition according to claim 4 ~~or 5~~ wherein the at least one nitrogen of the heterocyclic ring has a bond to an atom of the linker group L.

7. (Currently Amended) A fuel composition according to ~~any one of the preceding~~ claims claim 1 wherein the heterocyclic ring comprises at least one amide functional group.

8. (Currently Amended) A fuel composition according to ~~any one of the preceding~~ claims claim 1 wherein the heterocyclic ring is of Formula IV

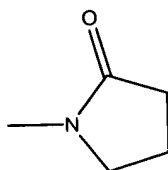


Formula IV

9. (Currently Amended) A fuel composition according to ~~any one of the preceding~~ claims claim 1 wherein the heterocyclic ring is a 4 to 10 membered ring.

10. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein the heterocyclic ring is a 4, 5 or 6 membered ring.

11. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein the heterocyclic ring is of Formula V



Formula V

12. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is a C<sub>1-20</sub> hydrocarbyl linker group.

13. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is a C<sub>1-10</sub> hydrocarbyl linker group.

14. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is a C<sub>4-10</sub> hydrocarbyl linker group.

15. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is a hydrocarbon linker group.

16. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is a straight chained or branched hydrocarbon linker group  
having the formula (C<sub>x</sub>H<sub>2x</sub>)-wherein x is an integer.

17. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein L is (CH<sub>2</sub>)<sub>4</sub>.

18. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein R<sub>1</sub> is H or a C<sub>1-5</sub> hydrocarbyl group.

19. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims claim 1~~ wherein R<sub>1</sub> is H or a hydrocarbon group.

20. (Currently Amended) A fuel composition according to ~~any one of the preceding claims~~ claim 1 wherein  $R_1$  is H or an alkyl group.
21. (Currently Amended) A fuel composition according to ~~any one of the preceding claims~~ claim 1 wherein  $R_1$  is H or methyl.
22. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 21~~ claim 2 wherein  $R_2$  is H or a  $C_{1-5}$  hydrocarbyl group.
23. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 22~~ claim 2 wherein  $R_2$  is H or a hydrocarbon group.
24. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 23~~ claim 2 wherein  $R_2$  is H or an alkyl group.
25. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 24~~ claim 2 wherein  $R_2$  is H or methyl.
26. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 25~~ claim 2 wherein  $R_3$  is a  $C_{1-25}$  hydrocarbyl group.
27. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 26~~ claim 2 wherein  $R_3$  is a  $C_{5-25}$  hydrocarbyl group.
28. (Currently Amended) A fuel composition according to ~~any one of claims 2 to 27~~ claim 2 wherein  $R_3$  is a hydrocarbon group.
29. (Currently Amended) A fuel composition according to ~~any one of claims 3 to 28~~ claim 3 wherein  $R_4$  is a  $C_{2-5}$  unsaturated hydrocarbyl group.
30. (Currently Amended) A fuel composition according to ~~any one of claims 3 to 29~~ claim 3 wherein  $R_4$  is an unsaturated hydrocarbon group.

31. (Currently Amended) A fuel composition according to ~~any one of claims 3 to 30~~  
claim 3 wherein  $R_4$  comprises a terminal carbon-carbon multiple bond.

32. (Currently Amended) A fuel composition according to ~~any one of claims 3 to 31~~  
claim 3 wherein  $R_4$  is an ethenyl group.

33. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims~~ claim 1 wherein monomer units of Formula I and/or monomer units of  
Formula II and/or monomer units of Formula III comprise at least 70% by weight of  
the polymeric compound.

34. (Currently Amended) A fuel composition according to ~~any one of the preceding~~  
~~claims~~ claim 1 wherein the molecular weight ( $M_n$ ) of the polymeric compound is from  
20,000 to 90,000.

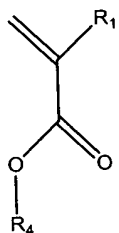
35. (Original) A fuel composition comprising

(i) a fuel; and

(ii) a polymeric compound;

wherein the polymeric compound is obtained or obtainable by a process comprising  
the steps of

(i) polymerising monomer A



Monomer A

wherein  $R_1$  and  $R_4$  are as defined in any one of the preceding claims; and

(ii) reacting the product of step (i) with compound C

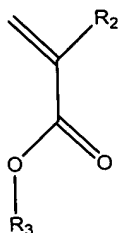


Compound C

wherein  $R_5$  is a  $\text{C}_{2-10}$  unsaturated hydrocarbyl group; and

wherein heterocycle is an optionally substituted heterocyclic ring.

36. (Currently Amended) A fuel composition according to claim 35 wherein, in step (i), monomer A is copolymerised with monomer B



Monomer B

wherein ~~R<sub>2</sub> and R<sub>3</sub> are as defined in any one of claims 2 to 35.~~

37. (Currently Amended) A fuel composition according to claim 35 ~~or claim 36~~ wherein R<sub>5</sub> is a C<sub>2-5</sub> unsaturated hydrocarbyl group.

38. (Currently Amended) A fuel composition according to claim 35, ~~36 or 37~~ wherein R<sub>5</sub> is an unsaturated hydrocarbon group.

39. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 38~~ claim 35 wherein R<sub>5</sub> comprises a terminal carbon-carbon multiple bond.

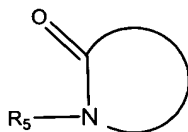
40. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 39~~ claim 35 wherein R<sub>5</sub> is an ethenyl group.

41. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 40~~ claim 35 wherein the heterocyclic ring of compound C comprises at least one nitrogen.

42. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 44~~ claim 35 wherein the heterocyclic ring of compound C comprises at least one tertiary nitrogen.

43. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 42~~ claim 35 wherein the heterocyclic ring of compound C comprises at least one amide functional group.

44. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 43~~ claim 35 wherein compound C is of Formula VI



Formula VI.

wherein R<sub>5</sub> is ~~as defined in any one of claims 35 to 43.~~

45. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 44~~ claim 35 wherein the heterocyclic ring of compound C is a 4 to 10 membered ring.

46. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 45~~ claim 35 wherein the heterocyclic ring of compound C is a 4, 5 or 6 membered ring.

47. (Currently Amended) A fuel composition according to ~~any one of claims 35 to 46~~ claim 35 wherein compound C is N-vinylpyrrolidone.

48. (Currently Amended) A fuel additive composition comprising  
(i) a polymeric compound as defined in ~~any one of claims 1 to 47~~ claim 1; and  
(ii) a metal deactivator and/or an antioxidant.

49. (Original) A fuel additive composition according to claim 48 comprising a metal deactivator and an antioxidant.

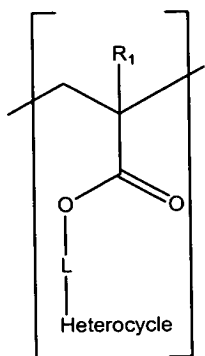
50. (Currently Amended) A fuel composition comprising  
(i) a fuel; and  
(ii) a fuel additive composition as defined in claim 48 ~~or 49~~.

51. (Currently Amended) A fuel composition according to ~~any one of claims 1 to 47 or 50~~ claim 1 wherein the fuel is a jet fuel.

52. (Currently Amended) A fuel composition according to ~~any one of claims 1 to 47, 50 or 51~~ claim 1 wherein the polymeric compound is present in an amount of 15 to 30mg/L.

53. (Canceled)

54. (Currently Amended) A method for inhibiting deposit formation in a fuel at a temperature of from 100 to 335°C, the method comprising combining with the fuel a polymeric compound comprising at least one monomer unit of Formula I



Formula I

wherein R<sub>1</sub> is H or a C<sub>1-10</sub> hydrocarbyl group;

wherein L is an optional C<sub>1-30</sub> hydrocarbyl linker group; and

wherein heterocycle is an optionally substituted heterocyclic ring;

or a fuel additive composition as defined in claim 49 or 50.

55. (Canceled).

56. (Canceled).

57. (Canceled).

58. (Canceled).